

## Mechanical Rebar Splices (for Uncoated Rebar)

### Screwlock Type

Supplier	Brand
Barsplice Products, Inc. Dayton, OH	#4 - #18 ZAP Screwlok Epoxy
	#4 - #18 ZAP Screwlok SL
	#4 - #18 ZAP Screwlok Type 2
	#4 - #8 Double Barrel ZAP Screwlok
	#4 - #8 Double Barrel ZAP Screwlok Epoxy
Dayton Superior Corporation Miamisburg, OH	#4 - #11 D250SCA Barlock Coupler

### Swaged Type

Supplier	Brand
Barsplice Products, Inc. Dayton, OH	#4 - #11 BarGrip XL

### Thread Type - For Use With Uncoated or Epoxy Coated Rebar

Supplier	Brand
Barsplice Products, Inc. Dayton, OH	#4 - #11 Bar Splicer
	#4 - #18 Taper Threaded Grip-Twist
	#5 - #18 Grip-Twist Position Coupler

## Mechanical Rebar Splices (for Uncoated Rebar)

### Thread Type - For Use With Uncoated or Epoxy Coated Rebar

Supplier	Brand
ERICO International Corporation Solon, OH	#18 Lenton Standard Coupler, A2 #4 - #10 Lenton Standard Coupler-A2 #8 - #11 Lenton Position, P9
Headed Reinforcement Corp. Fountain Valley, CA	#4 - #11, #14, and #18 HRC 500 #4 - #8 HRC 300 (non-flanged)
Williams Form Engineering Corp. Belmont, MI	#4 - #5 Splice

### Wedge Type

Supplier	Brand
ERICO International Corporation Solon, OH	#4 - #6 Quick-Wedge Splice
Headed Reinforcement Corp. Fountain Valley, CA	#4 - #6 HRC 626
OCM, Inc. Wauconda, IL	#4 - #6 Splice Clip

### Method of Documentation of Acceptance:

By brand and source.

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### Method of Approval:

#### THE FOLLOWING PROCEDURE IS TO BE USED IN ACQUIRING APPROVAL OF MECHANICAL REBAR SPLICES FOR INCLUSION ON THE QUALIFIED PRODUCTS LIST

- Samples shall be submitted to the Materials Division for verification testing.
- Samples (assembled bar and mechanical rebar splice) will be tested to insure 125% of yield strength in tension is obtained. Sample(s) must be provided for each bar size. Sample(s) must also be provided with and without epoxy coating for each bar size if the manufacturer wishes the rebar splice to be considered for use with epoxy coated rebar as well as for uncoated rebar. For bar sizes up to #10 provide a total sample length of 4 feet. For bar sizes larger than #10 provide a total sample length of 5 feet.
- Based on the Materials Division verification testing, mechanical rebar splices will be approved for each size of rebar and for uncoated or for uncoated and epoxy coated rebar.
- Suppliers/Manufacturers shall provide product information and Safety Data Sheets (SDS) if applicable.
- When deemed necessary by the Materials Engineer and at a frequency determined by him, random samples will be taken and tested.
- Material failure of project and/or random samples will be considered sufficient reason to discontinue acceptance of a material from a manufacturer, determination of which shall be made by the Materials Engineer.

The following will also apply for products containing iron or steel:

- All iron and steel material used on Department projects must be in compliance with the "Buy America" requirements and the Department's "Standard Specifications for Highway Construction", Subsection 106.01. This means all manufacturing processes of iron and steel in a product (i.e., smelting/remelting and any subsequent process which alters the steel material's physical form or shape or changes its chemical composition) must occur within the United States to be considered of domestic origin. This includes processes such as rolling, extruding, machining, bending, grinding, drilling and applying coatings. The use of pig iron or processed, pelletized and reduced iron ore manufactured outside of the United States is permitted in the domestic manufacturing process for steel and/or iron materials. All steel and iron mill test reports must include a certified statement that all manufacturing processes for the iron or steel product occurred in the United States. Each supplier/fabricator of an intermediate product will also certify that the product complies with the "Buy America" requirements.

No information contained in these lists is to be used for promotional purposes.

## **Mechanical Rebar Splices (for Uncoated Rebar)**

**The manufacturer of privately labeled products must be disclosed.**